



## PATENT COOPERATION TREATY

PCT

Rec. No.
Case. No. 51-05960 WO
Name 3TR PV
Response

**NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)



From the INTERNATIONAL BUREAU

To:

YAMAUCHI, Hideaki  
 Shionogi & Co., Ltd.  
 Patent Dept.  
 12-4, Sagisu 5-chome  
 Fukushima-ku, Osaka-shi  
 Osaka 553-0002  
 JAPON

Date of mailing (day/month/year) 04 February 2000 (04.02.00)	
Applicant's or agent's file reference 51-05960WO	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/JP99/06844	International filing date (day/month/year) 07 December 1999 (07.12.99)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 09 December 1998 (09.12.98)
Applicant SHIONOGI & CO., LTD. et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
09 Dec 1998 (09.12.98)	10/349608	JP	21 Janu 2000 (21.01.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Taïeb Akremi ↗
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/06844

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C12N15/55, C12N9/20, C12Q1/34, C12Q1/68,  
C12N5/10, C07K16/40, A61K39/395, G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C12N15/55, C12N9/20, C12Q1/34, C12Q1/68,  
C12N5/10, C07K16/40, A61K39/395, G01N33/53

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI (DIALOG), BIOSIS (DIALOG),  
JICST (JOIS), Genbank/DDBJ/EMBL/Geneseq

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	Ishizaki,J.et al."Cloning and Characterization of Novel Mouse and Human Secretory Phospholipase A2s" J.Biol.Chem. (1999, Aug.), Vol.274, No.35, p.24973-24979	1-17
PX	Valentin,E.et al."Cloning and Recombinant Expression of a Novel Mouse-secreted Phospholipase A2" J.Biol.Chem. (1999, Jul.), Vol.274, No.27, p.19152-19160	3-4, 7-17
X	Kawamata,n.et al."Molecular analysis of the secretory phospholipase A2 gene, a candidate of Mom1 gene, in neuroblastomas" Cancer Letters (1997), Vol. 111, No.1-2, p. 71-75	3-4, 7-17
X	Seilhamer,J.J.et al."Cloning and Recombinant Expression of Phospholipase A2 Present in Rheumatoid Arthritic Synovial Fluid" J.Biol.Chem. (1989), Vol.264, No.10, p.5335-5338	3-4, 7-17
X	Kramer,R.M.et al."Structure and Properties of a Human Non-pancreatic Phospholipase A2" J.Biol.Chem. (1989), Vol.264, No.10, p.5768-5775	3-4, 7-17

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
23 February, 2000 (23.02.00)Date of mailing of the international search report  
07 March, 2000 (07.03.00)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/06844

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Chen, J. et al., "Cloning and Recombinant Expression of a Novel Human Low Molecular Weight Ca <sup>2+</sup> -dependent Phospholipase A2" J. Biol. Chem. (1994), Vol.269, No.4, p.2365-2368	3-4, 7-17
X	Cupillard, L. et al., "Cloning, Chromosomal Mapping, and Expression of a Novel Human secretory Phospholipase A2" J.Biol.chem. (1997), Vol.272, No.25, p.15745-15752	3-4, 7-17
A	Dennis, A. E. et al., "The growing phospholipase A2 superfamily of signal transduction enzymes" TIBS (1997) Vol.22, p.1-2	1-17
A	Osamu Ohara, et al., "New Information Factor: Phospholipase A2, Phospholipase A2 Gene Structure and Growth Regulation (in Japanese)", Experimental Medicine(1993), Vol.11, No.11, p.23-27	1-17
A	Deniss, A. E., et al., "Diversity of Group Types, Regulation, and function of Phospholipase A2" J. Biol. Chem. (1994), Vol.269, No.18, p.13057-13060	1-17